

IN THE CLAIMS

This listing of claims replaces all prior versions, and listings, in this application.

Claims 1-13 (canceled)

14. (previously presented) An isolated or extracted microbial oil comprising at least 35% of arachidonic acid and which has an anisidine value (AnV) of less than 25.

Claim 15 (canceled)

16. (previously presented) The microbial oil of claim 14, which has an anisidine value from 5 to 25.

17. (previously presented) The microbial oil of claim 14, which has an anisidine value of no more than 20.

18. (previously presented) The microbial oil of claim 17, which has an anisidine value of less than 15.

Claim 19 (canceled)

20. (previously presented) The microbial oil of claim 14, which has a peroxide value of less than 12.

21. (previously presented) The microbial oil of claim 14, which has a peroxide value of less than 1.5.

22. (previously presented) The microbial oil of claim 14, which has been produced by a fungus.

23. (previously presented) The microbial oil of claim 22, wherein the fungus is of the genus *Mortierella*.

24. (previously presented) The microbial oil of claim 23, wherein the fungus is of the species *Mortierella alpina*.

25. (previously presented) The microbial oil of claim 14, which is a crude or unrefined oil.

26. (previously presented) A foodstuff and/or food supplement comprising the microbial oil of claim 14.

27. (previously presented) The foodstuff and/or food supplement of claim 26, which is an infant formula.

28. (previously presented) The foodstuff and/or food supplement of claim 26, which is an animal or marine feed composition or supplement.

29. (previously presented) A process of using a microbial oil of claim 25, the process comprising: subjecting the microbial oil to one or more refining steps to provide refined oil, wherein said one or more refining steps are selected from the group consisting of acid treatment or degumming, alkali treatment or free fatty acid removal, bleaching or pigment removal, filtration, winterization, deodorizing, and polishing.

30. (previously presented) The process according to claim 29 further comprising: adding the refined oil to a human food or animal feedstuff.

31. (previously presented) The process according to claim 29 further comprising: adding the refined oil to infant formula.

32. (previously presented) A foodstuff and/or food supplement comprising oil refined according to the process of claim 29.

33. (previously presented) The foodstuff and/or food supplement of claim 32, which is an infant formula.

34. (previously presented) The foodstuff and/or food supplement of claim 32, which is an animal or marine feed composition or supplement.

35. (previously presented) A process of making a microbial oil of claim 14, the process comprising: isolating or extracting the microbial oil from microbial cells or microorganisms.

36. (previously presented) An isolated or extracted microbial oil comprising at least 35% of arachidonic acid, which has an anisidine value (AnV) of less than 25 and a triglyceride content of at least 90%.

37. (previously presented) The microbial oil of claim 36, which has an anisidine value from 5 to 25.

38. (previously presented) The microbial oil of claim 36, which has an anisidine value of no more than 20.

39. (previously presented) The microbial oil of claim 38, which has an anisidine value of less than 15.

40. (previously presented) The microbial oil of claim 36, which has a peroxide value of less than 12.

41. (previously presented) The microbial oil of claim 36, which has a peroxide value of less than 1.5.

42. (previously presented) The microbial oil of claim 36, which has been produced by a fungus.

43. (previously presented) The microbial oil of claim 42, wherein the fungus is of the genus *Mortierella*.

44. (previously presented) The microbial oil of claim 43, wherein the fungus is of the species *Mortierella alpina*.

45. (previously presented) The microbial oil of claim 36, which is a crude or unrefined oil.

46. (previously presented) A foodstuff and/or food supplement comprising the microbial oil of claim 36.

47. (previously presented) The foodstuff and/or food supplement of claim 46, which is an infant formula.

48. (previously presented) The foodstuff and/or food supplement of claim 46, which is an animal or marine feed composition or supplement.

49. (previously presented) A process of using a microbial oil of claim 45, the process comprising: subjecting the microbial oil to one or more refining steps to provide refined oil, wherein said one or more refining steps are selected from the group consisting of acid treatment or degumming, alkali treatment or free fatty acid removal, bleaching or pigment removal, filtration, winterization, deodorizing, and polishing.

50. (previously presented) The process according to claim 49 further comprising: adding the refined oil to a human food or animal feedstuff.

51. (previously presented) The process according to claim 49 further comprising: adding the refined oil to infant formula.

52. (previously presented) A foodstuff and/or food supplement comprising oil refined according to the process of claim 49.

53. (previously presented) The foodstuff and/or food supplement of claim 52, which is an infant formula.

54. (previously presented) The foodstuff and/or food supplement of claim 52, which is an animal or marine feed composition or supplement.

55. (previously presented) A process of making a microbial oil of claim 36, the process comprising: isolating or extracting the microbial oil from microbial cells or microorganisms.

56. (previously presented) An extracted microbial oil comprising at least 35% of arachidonic acid, which has an anisidine value (AnV) of less than 25 and has been extracted from microbial cells or microorganisms using a solvent.

57. (previously presented) The microbial oil of claim 56, which has an anisidine value from 5 to 25.

58. (previously presented) The microbial oil of claim 57, which has an anisidine value of no more than 20.

59. (previously presented) The microbial oil of claim 58, which has an anisidine value of less than 15.

60. (previously presented) The microbial oil of claim 56, which has a triglyceride content of at least 90%.

61. (previously presented) The microbial oil of claim 56, which has a peroxide value of less than 12.

62. (previously presented) The microbial oil of claim 56, which has a peroxide value of less than 1.5.

63. (previously presented) The microbial oil of claim 56, which has been produced by a fungus.

64. (previously presented) The microbial oil of claim 63, wherein the fungus is of the genus *Mortierella*.

65. (previously presented) The microbial oil of claim 64, wherein the fungus is of the species *Mortierella alpina*.

66. (previously presented) The microbial oil of claim 56, which is a crude or unrefined oil.

67. (previously presented) The microbial oil of claim 56, wherein the solvent is a non-polar solvent.

68. (previously presented) The microbial oil of claim 67, wherein the solvent is a C₁₋₈ alkane.

69. (previously presented) The microbial oil of claim 68, wherein the solvent is hexane.

70. (previously presented) The microbial oil of claim 56, wherein the solvent is carbon dioxide in liquid form.

71. (previously presented) A foodstuff and/or food supplement comprising the microbial oil of claim 56.

72. (previously presented) The foodstuff and/or food supplement of claim 71, which is an infant formula.

73. (previously presented) The foodstuff and/or food supplement of claim 71, which is an animal or marine feed composition or supplement.

74. (previously presented) A process of using a microbial oil of claim 66, the process comprising: subjecting the microbial oil to one or more refining steps to provide refined oil, wherein said one or more refining steps are selected from the group consisting of acid treatment or degumming, alkali treatment or free fatty acid removal, bleaching or pigment removal, filtration, winterization, deodorizing, and polishing.

75. (previously presented) The process according to claim 74 further comprising: adding the refined oil to a human food or animal feedstuff.

76. (previously presented) The process according to claim 75 further comprising: adding the refined oil to infant formula.

77. (previously presented) A foodstuff and/or food supplement comprising oil refined according to the process of claim 74.

78. (previously presented) The foodstuff and/or food supplement of claim 77, which is an infant formula.

79. (previously presented) The foodstuff and/or food supplement of claim 77, which is an animal or marine feed composition or supplement.

80. (previously presented) A process of making a microbial oil of claim 56, the process comprising: extracting the microbial oil from microbial cells or microorganisms using a solvent.

81. (new) A process of using a microbial oil of claim 14, the process comprising: adding the microbial oil to a foodstuff and/or food supplement.

82. (new) The process according to claim 81, wherein the foodstuff and/or food supplement is an infant formula.

83. (new) A process of preparing a foodstuff and/or food supplement, the process comprising: adding a microbial oil of claim 14 to a foodstuff and/or food supplement.

84. (new) The process according to claim 83, wherein the foodstuff and/or food supplement is an infant formula.

85. (new) A process of using a microbial oil of claim 36, the process comprising: adding the microbial oil to a foodstuff and/or food supplement.

86. (new) The process according to claim 85, wherein the foodstuff and/or food supplement is an infant formula.

87. (new) A process of preparing a foodstuff and/or food supplement, the process comprising: adding a microbial oil of claim 36 to a foodstuff and/or food supplement.

88. (new) The process according to claim 87, wherein the foodstuff and/or food supplement is an infant formula.

89. (new) A process of using a microbial oil of claim 56, the process comprising: adding the microbial oil to a foodstuff and/or food supplement.

90. (new) The process according to claim 89, wherein the foodstuff and/or food supplement is an infant formula.

91. (new) A process of preparing a foodstuff and/or food supplement, the process comprising: adding a microbial oil of claim 56 to a foodstuff and/or food supplement.

92. (new) The process according to claim 91, wherein the foodstuff and/or food supplement is an infant formula.